

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062724\
 Data File : VX042074.D
 Acq On : 27 Jun 2024 15:01
 Operator : JC/MD
 Sample : P3067-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE(JUNE)

Quant Time: Jun 28 04:04:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

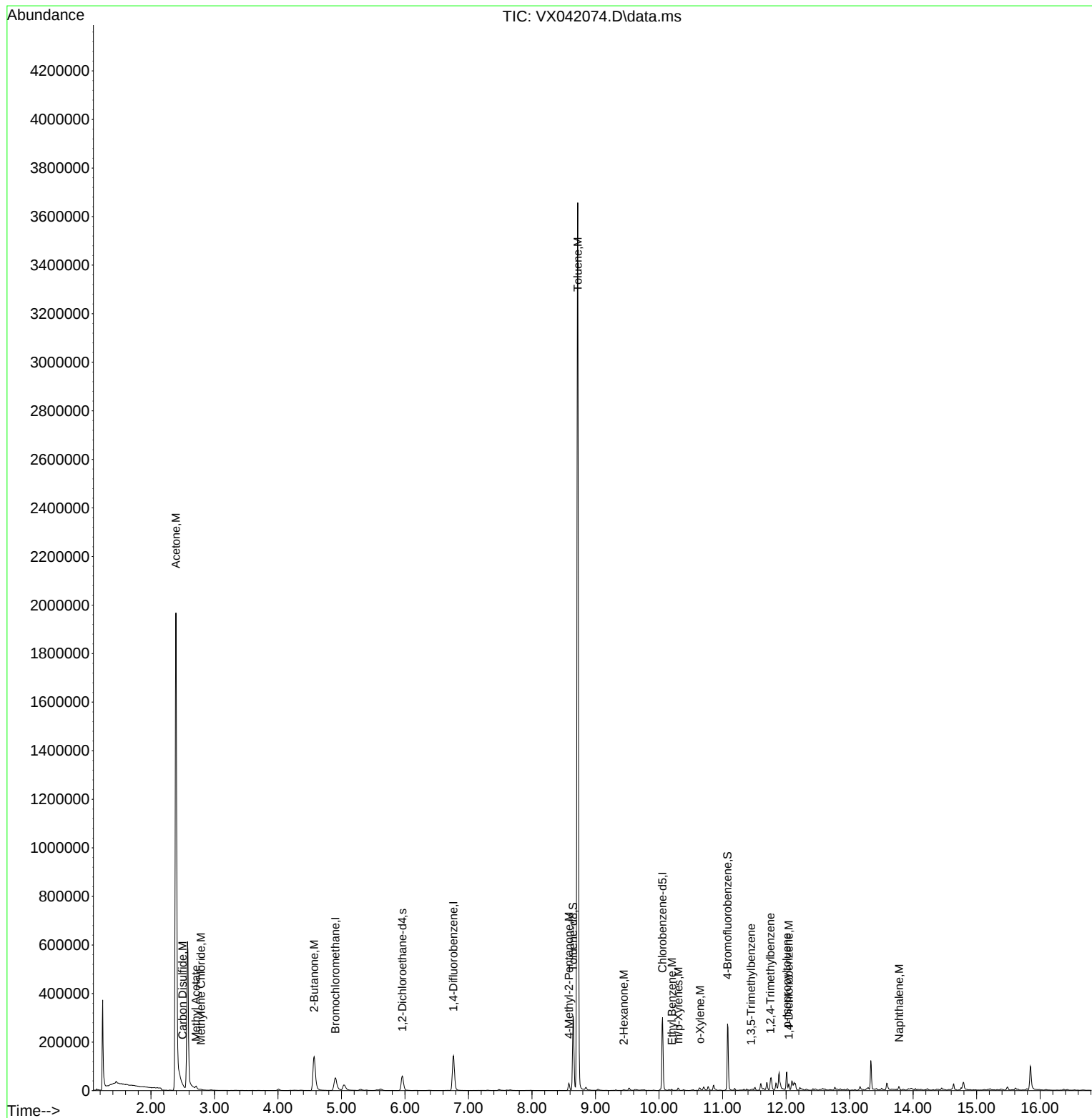
Internal Standards						
1) Bromochloromethane	4.903	128	29639	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	167555	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	153384	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	56851	27.864	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	92.867%
60) 4-Bromofluorobenzene	11.079	95	70855	29.843	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.467%
63) Toluene-d8	8.647	98	190941	29.097	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.000%
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.709	43	13993	6.059	ug/l	90
15) Acetone	2.392	58	787696	2512.109	ug/l	90
16) Carbon Disulfide	2.495	76	1491	0.376	ug/l #	94
18) Methylene Chloride	2.788	84	1188	0.572	ug/l	90
30) 2-Butanone	4.568	43	256219	175.347	ug/l	99
58) 4-Methyl-2-Pentanone	8.580	43	18501	6.731	ug/l	100
59) 2-Hexanone	9.445	43	1856	0.875	ug/l	92
62) Toluene	8.720	91	2462952	317.319	ug/l	98
66) Ethyl Benzene	10.201	91	2993	0.353	ug/l	91
67) m/p-Xylenes	10.305	106	2763	0.809	ug/l	97
68) o-Xylene	10.646	106	1230	0.361	ug/l	92
76) 1,3,5-Trimethylbenzene	11.451	105	1759	0.245	ug/l	97
80) 1,2,4-Trimethylbenzene	11.756	105	12377	1.728	ug/l	63
82) p-Isopropyltoluene	12.012	119	34782	4.472	ug/l	100
84) 1,4-Dichlorobenzene	12.042	146	2195	0.496	ug/l	96
91) Naphthalene	13.780	128	9110	0.990	ug/l	96

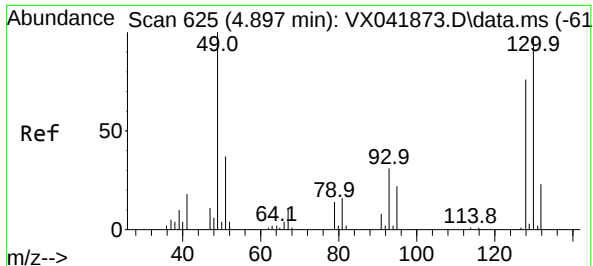
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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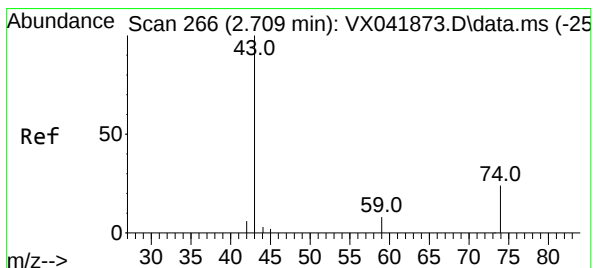
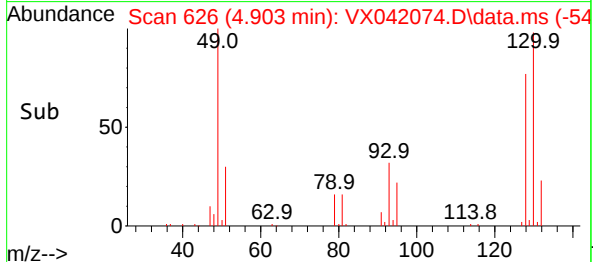
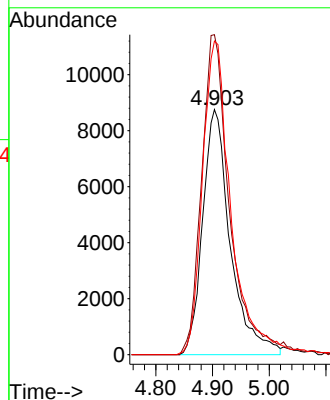
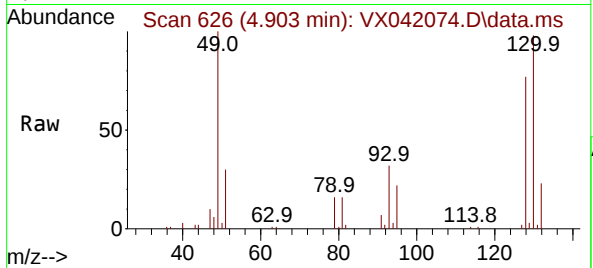




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX042074.D
Acq: 27 Jun 2024 15:01

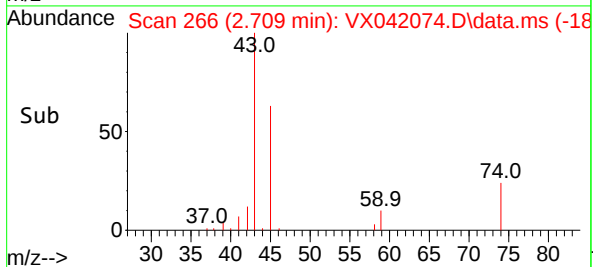
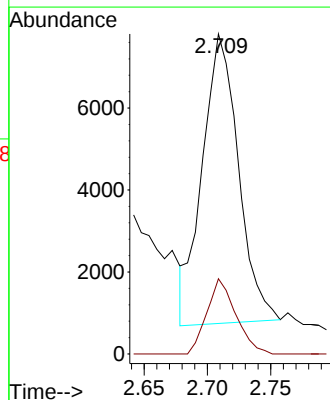
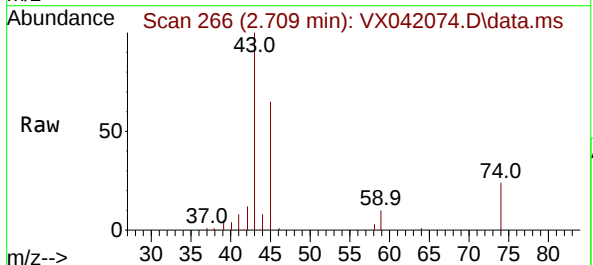
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

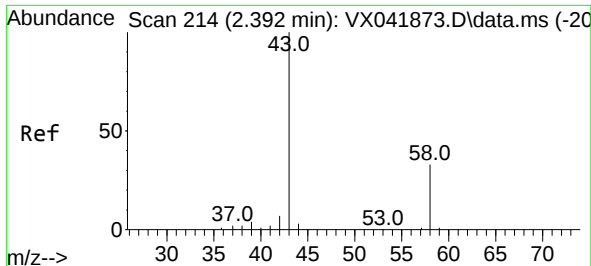
Tgt Ion	Ratio	Lower	Upper
128	100		
49	132.4	0.0	338.5
130	132.1	0.0	324.5



#12
Methyl Acetate
Concen: 6.059 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX042074.D
Acq: 27 Jun 2024 15:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.0	19.4	29.2

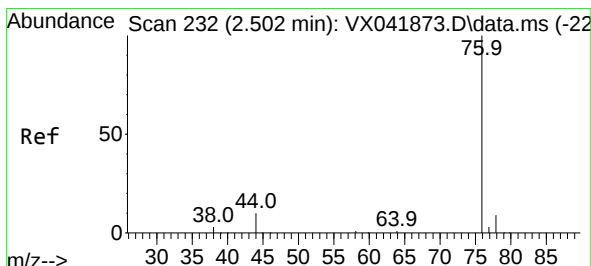
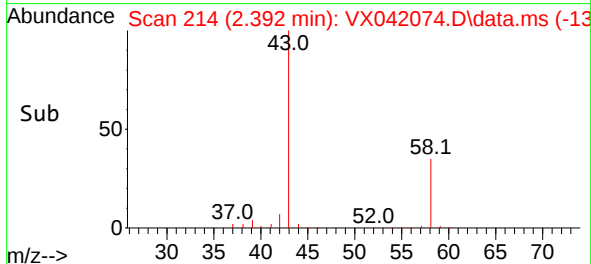
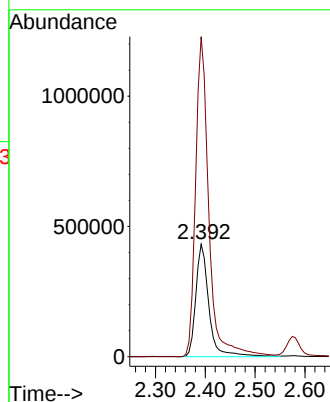
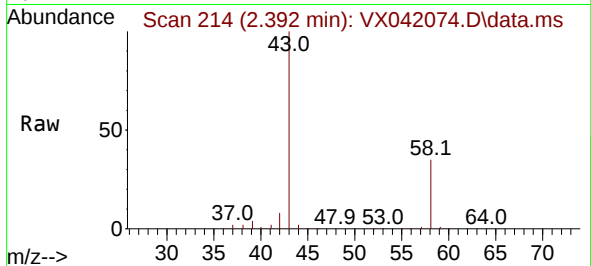




#15
Acetone
Concen: 2512.109 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX042074.D
Acq: 27 Jun 2024 15:01

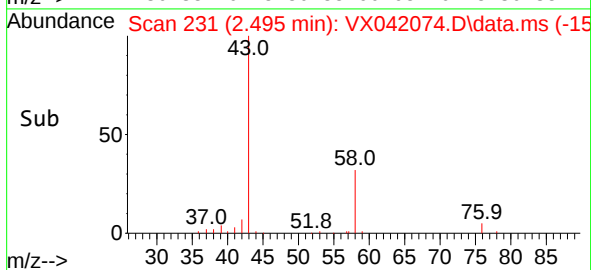
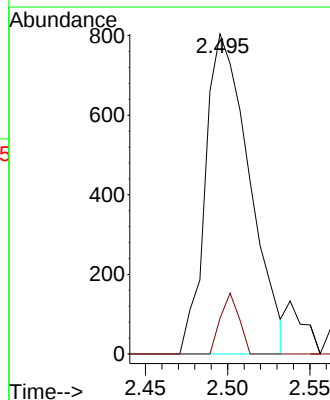
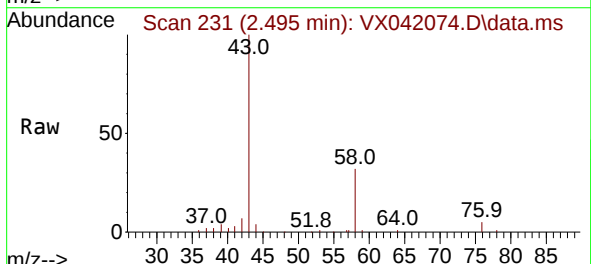
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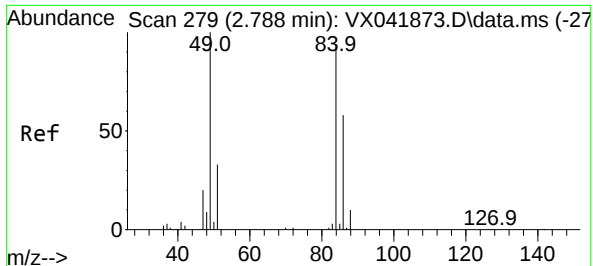
Tgt Ion: 58 Resp: 787696
Ion Ratio Lower Upper
58 100
43 284.8 243.4 365.2



#16
Carbon Disulfide
Concen: 0.376 ug/l
RT: 2.495 min Scan# 231
Delta R.T. -0.006 min
Lab File: VX042074.D
Acq: 27 Jun 2024 15:01

Tgt Ion: 76 Resp: 1491
Ion Ratio Lower Upper
76 100
78 11.2 7.3 10.9#

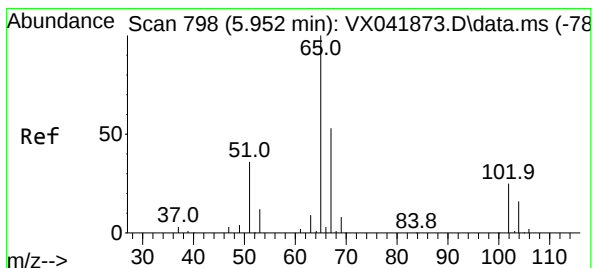
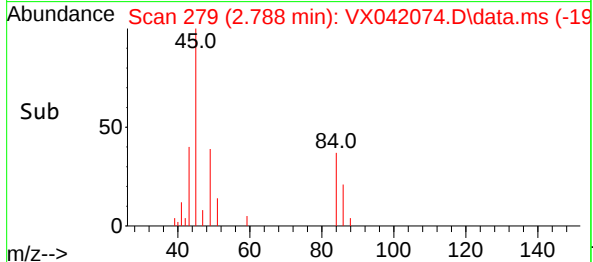
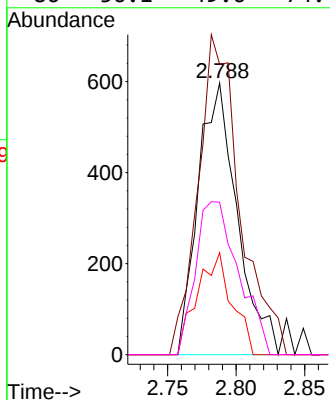
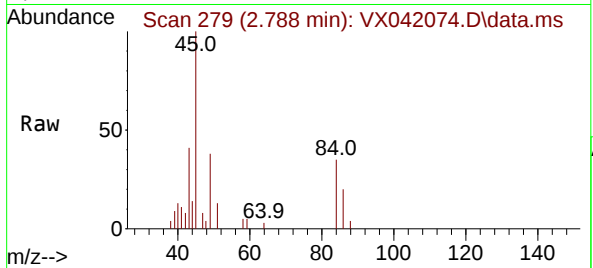




#18
Methylene Chloride
Concen: 0.572 ug/l
RT: 2.788 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX042074.D
Acq: 27 Jun 2024 15:01

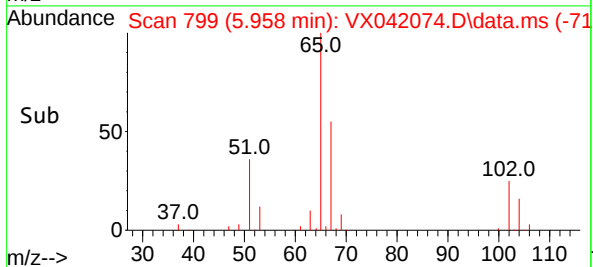
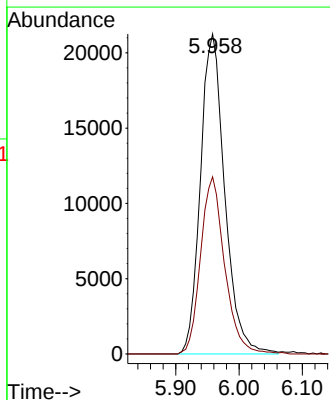
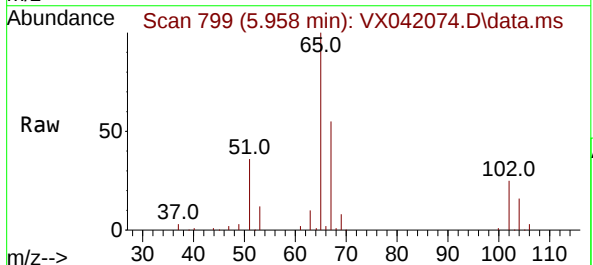
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

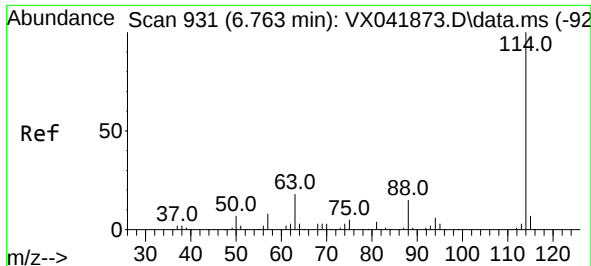
Tgt Ion:	84	Resp:	1188
Ion	Ratio	Lower	Upper
84	100		
49	93.3	85.3	127.9
51	37.5	28.5	42.7
86	56.1	49.6	74.4



#27
1,2-Dichloroethane-d4
Concen: 27.864 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX042074.D
Acq: 27 Jun 2024 15:01

Tgt Ion:	65	Resp:	56851
Ion	Ratio	Lower	Upper
65	100		
67	54.7	43.4	65.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX042074.D

Acq: 27 Jun 2024 15:01

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JUNE)

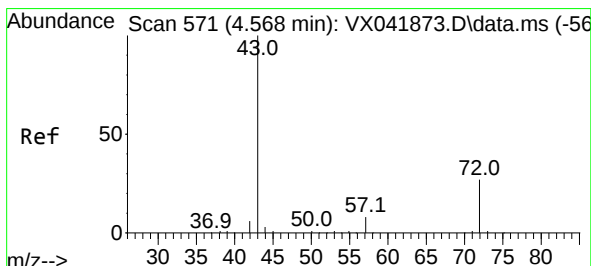
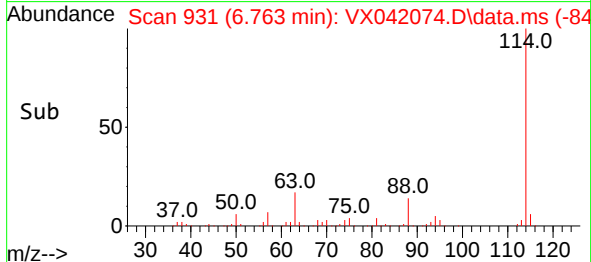
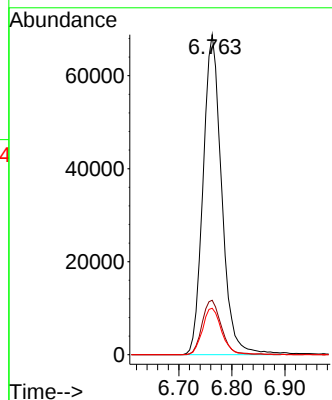
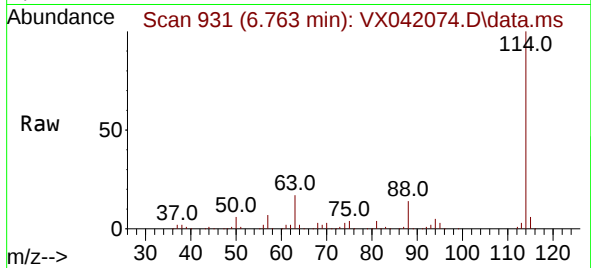
Tgt Ion:114 Resp: 167555

Ion Ratio Lower Upper

114 100

63 17.5 14.6 21.8

88 14.8 11.8 17.8



#30

2-Butanone

Concen: 175.347 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.000 min

Lab File: VX042074.D

Acq: 27 Jun 2024 15:01

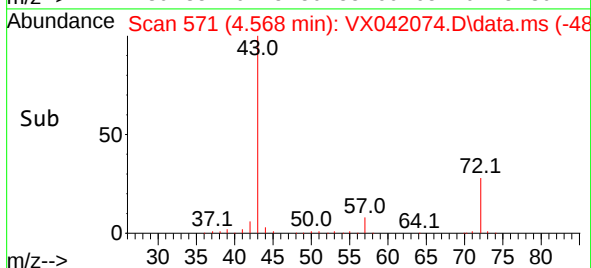
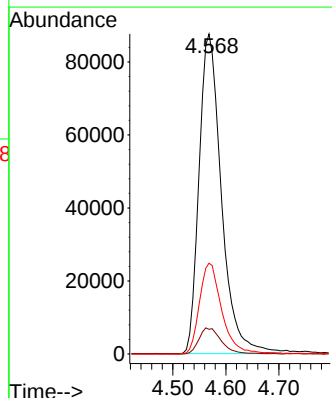
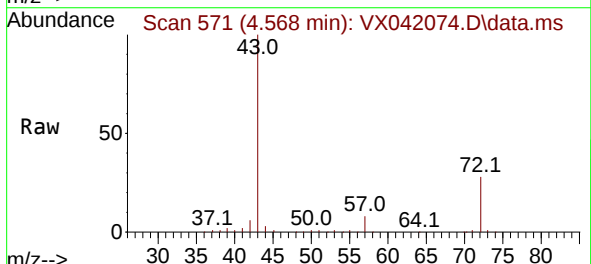
Tgt Ion: 43 Resp: 256219

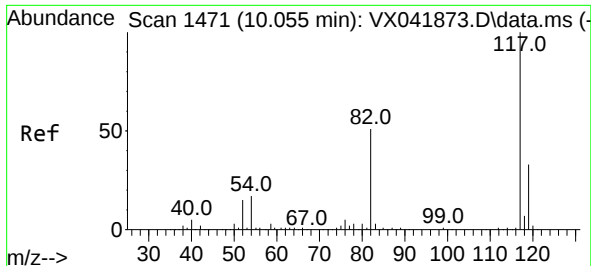
Ion Ratio Lower Upper

43 100

57 8.1 6.5 9.7

72 28.1 22.0 33.0

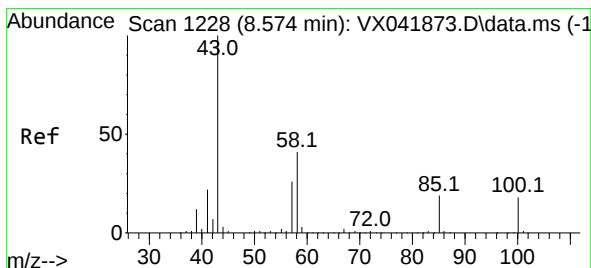
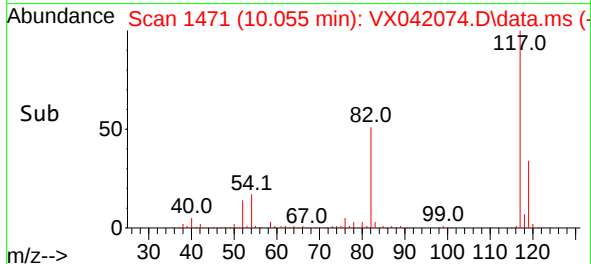
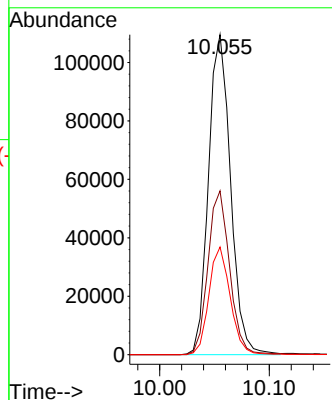
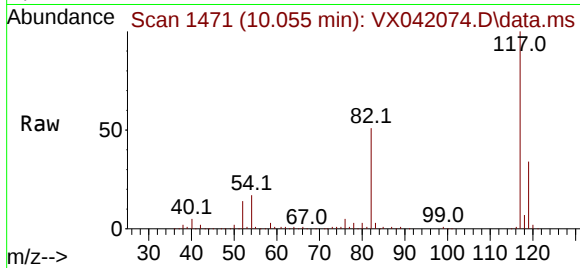




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042074.D
Acq: 27 Jun 2024 15:01

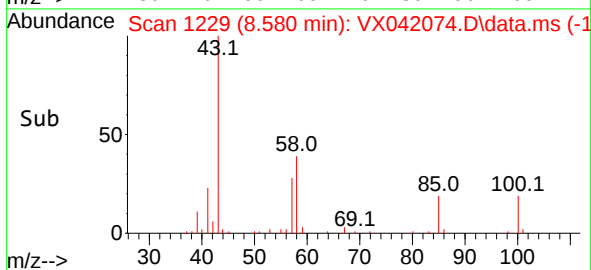
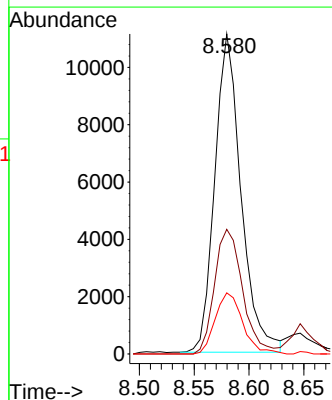
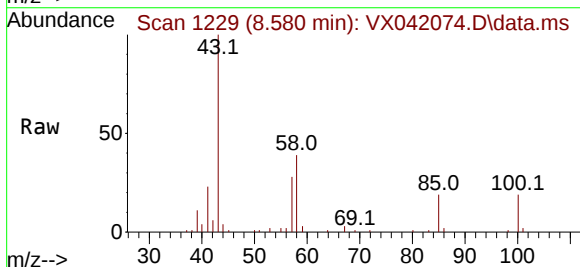
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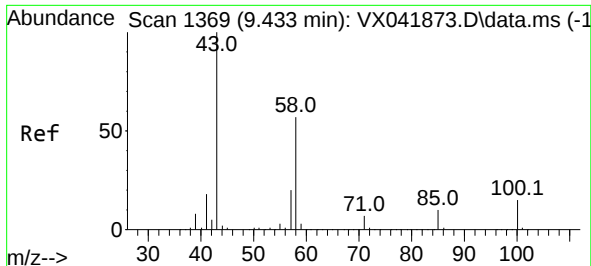
Tgt Ion:117 Resp: 153384
Ion Ratio Lower Upper
117 100
82 50.4 41.1 61.7
119 32.7 26.1 39.1



#58
4-Methyl-2-Pentanone
Concen: 6.731 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX042074.D
Acq: 27 Jun 2024 15:01

Tgt Ion: 43 Resp: 18501
Ion Ratio Lower Upper
43 100
58 41.6 33.2 49.8
85 19.5 15.5 23.3





#59

2-Hexanone

Concen: 0.875 ug/l

RT: 9.445 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX042074.D

Acq: 27 Jun 2024 15:01

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JUNE)

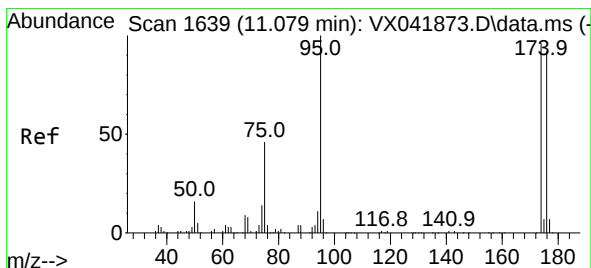
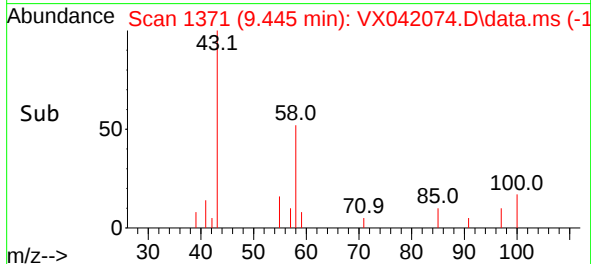
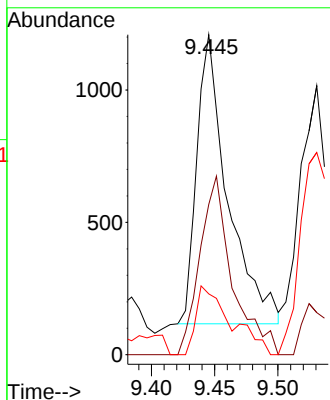
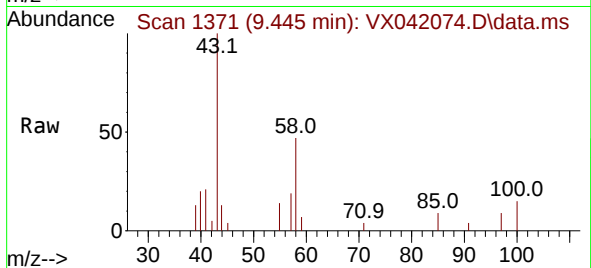
Tgt Ion: 43 Resp: 1856

Ion Ratio Lower Upper

43 100

58 64.7 46.0 69.0

57 20.4 15.8 23.6



#60

4-Bromofluorobenzene

Concen: 29.843 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX042074.D

Acq: 27 Jun 2024 15:01

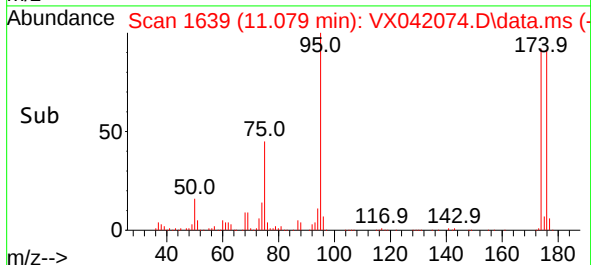
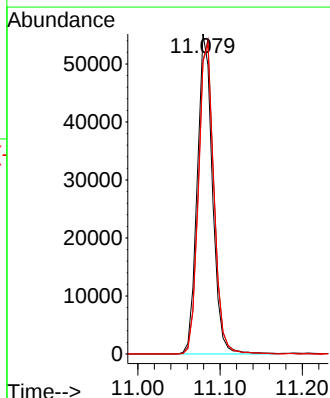
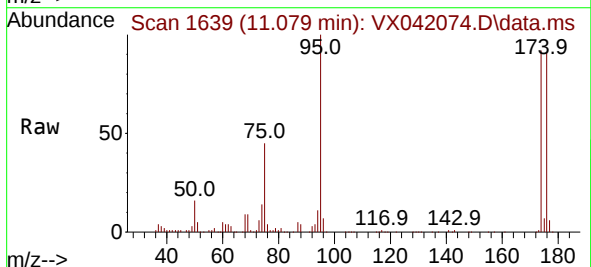
Tgt Ion: 95 Resp: 70855

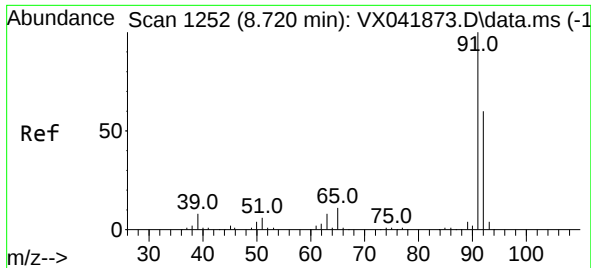
Ion Ratio Lower Upper

95 100

174 99.9 78.9 118.3

176 97.8 77.1 115.7

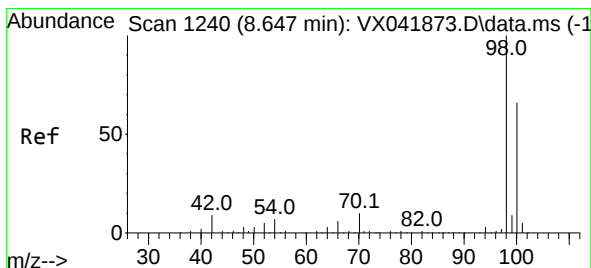
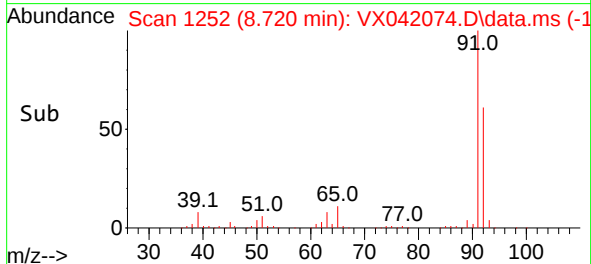
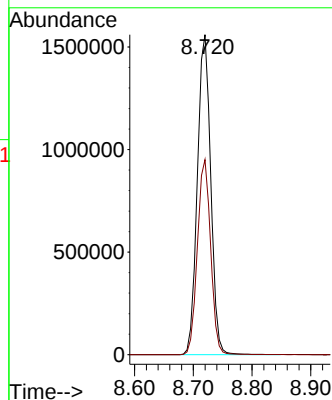
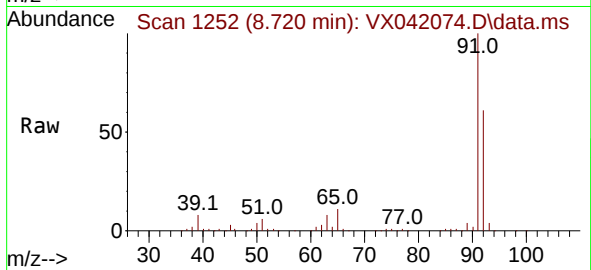




#62
Toluene
Concen: 317.319 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX042074.D
Acq: 27 Jun 2024 15:01

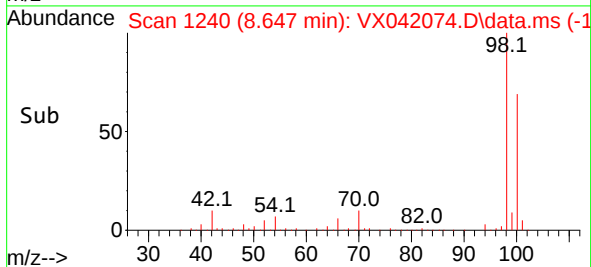
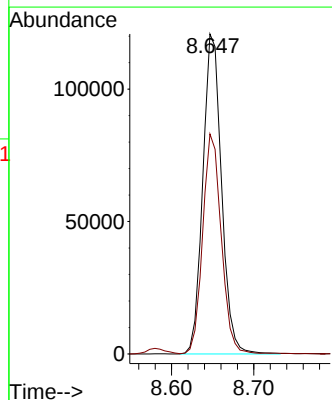
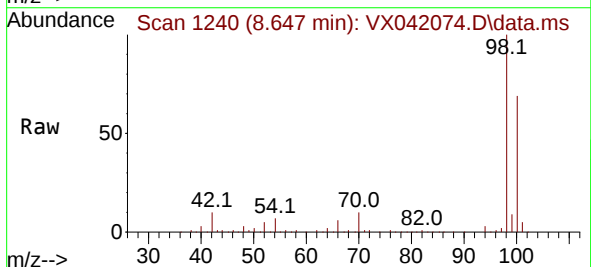
Instrument :
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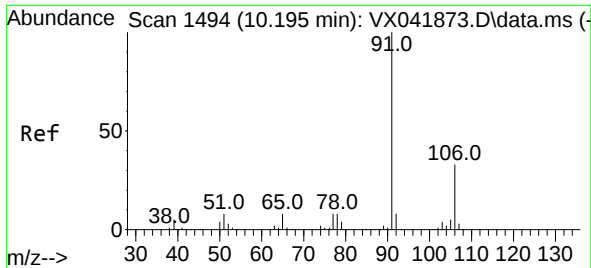
Tgt Ion: 91 Resp: 2462952
Ion Ratio Lower Upper
91 100
92 60.4 47.4 71.2



#63
Toluene-d8
Concen: 29.097 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX042074.D
Acq: 27 Jun 2024 15:01

Tgt Ion: 98 Resp: 190941
Ion Ratio Lower Upper
98 100
100 67.8 52.7 79.1

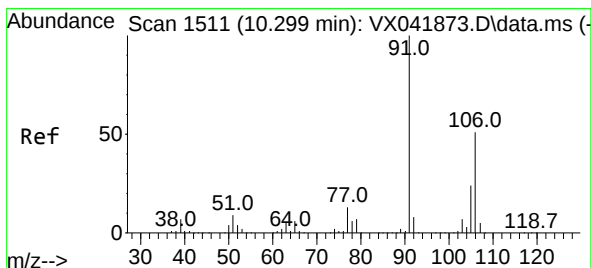
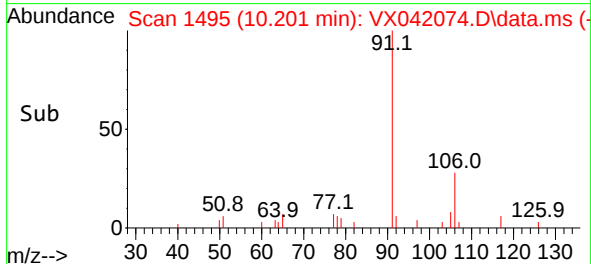
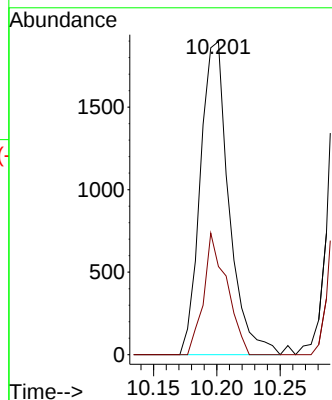
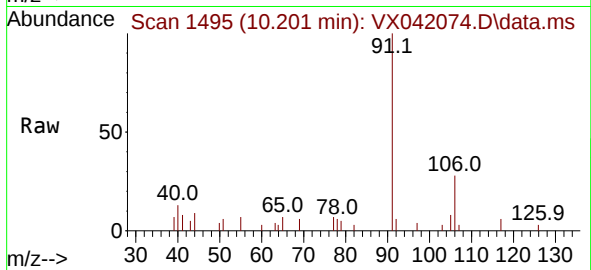




#66
Ethyl Benzene
Concen: 0.353 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX042074.D
Acq: 27 Jun 2024 15:01

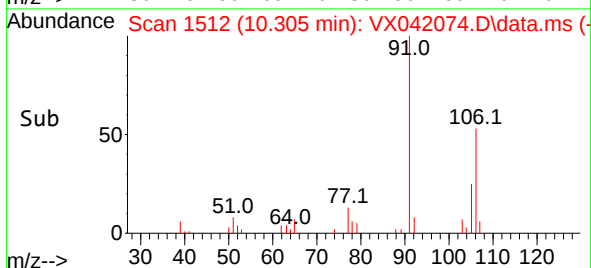
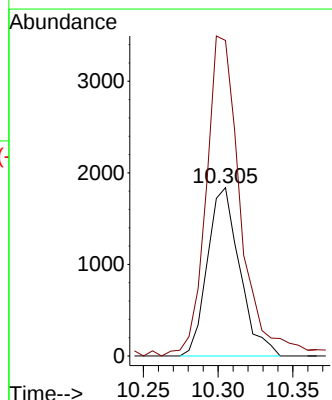
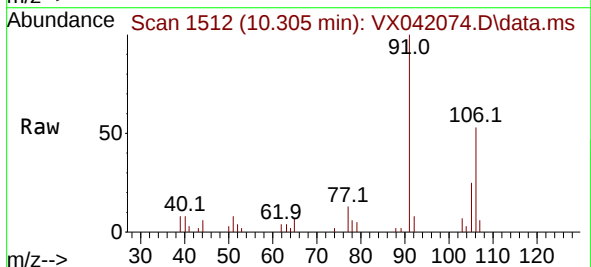
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

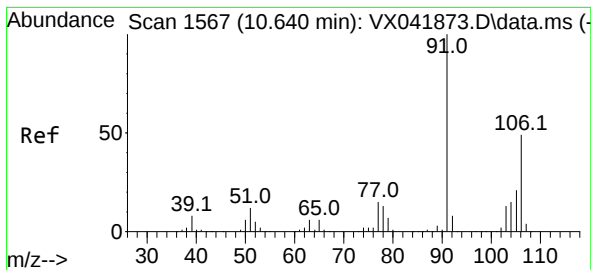
Tgt Ion: 91 Resp: 2993
Ion Ratio Lower Upper
91 100
106 28.1 26.4 39.6



#67
m/p-Xylenes
Concen: 0.809 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX042074.D
Acq: 27 Jun 2024 15:01

Tgt Ion: 106 Resp: 2763
Ion Ratio Lower Upper
106 100
91 201.1 157.0 235.6





#68

o-Xylene

Concen: 0.361 ug/l

RT: 10.646 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX042074.D

Acq: 27 Jun 2024 15:01

Instrument :

MSVOA_X

ClientSampleId :

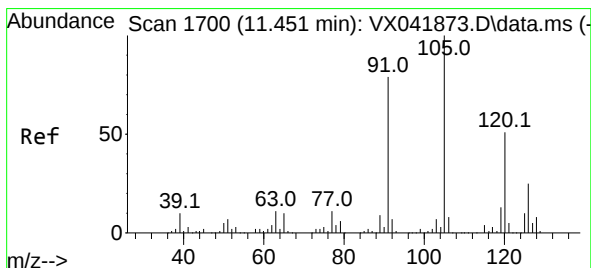
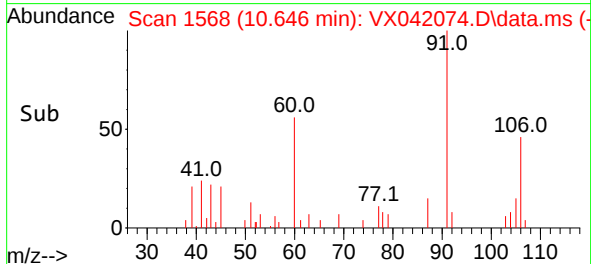
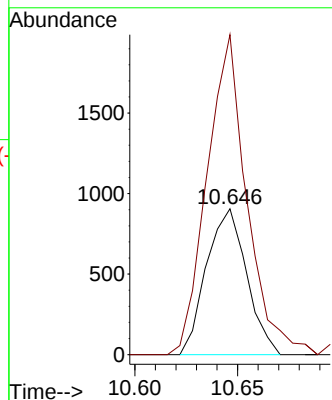
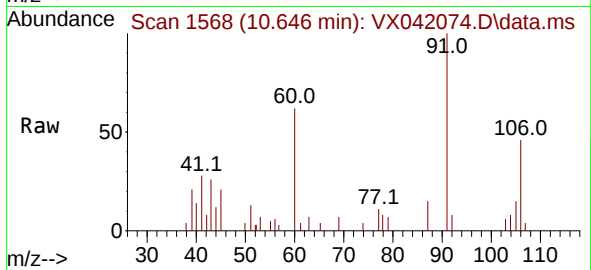
002-35TH-AVE(JUNE)

Tgt Ion:106 Resp: 1230

Ion Ratio Lower Upper

106 100

91 218.0 103.2 309.6



#76

1,3,5-Trimethylbenzene

Concen: 0.245 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX042074.D

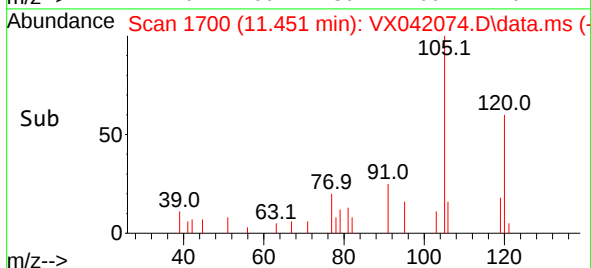
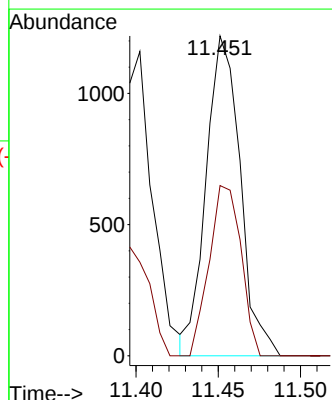
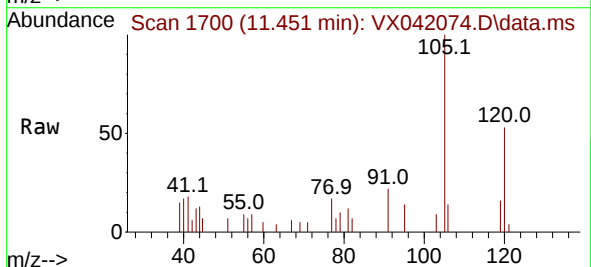
Acq: 27 Jun 2024 15:01

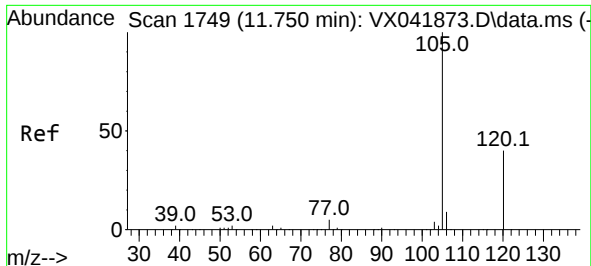
Tgt Ion:105 Resp: 1759

Ion Ratio Lower Upper

105 100

120 49.7 0.0 103.0

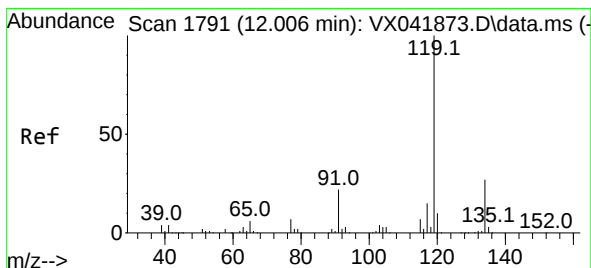
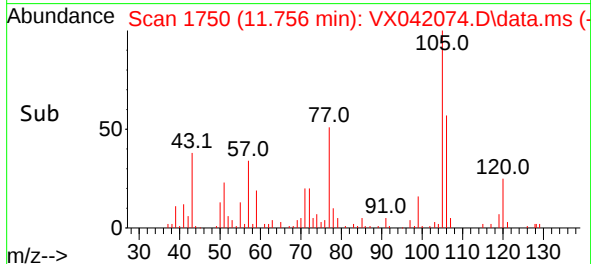
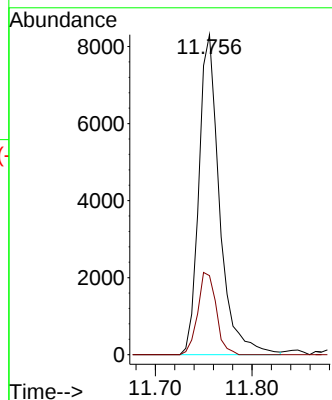
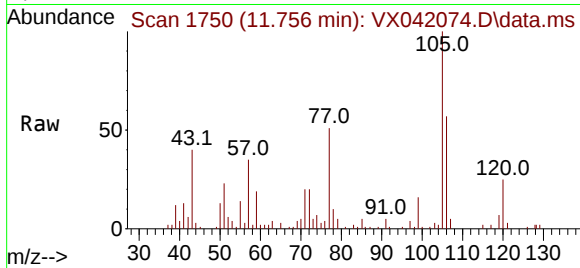




#80
1,2,4-Trimethylbenzene
Concen: 1.728 ug/l
RT: 11.756 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX042074.D
Acq: 27 Jun 2024 15:01

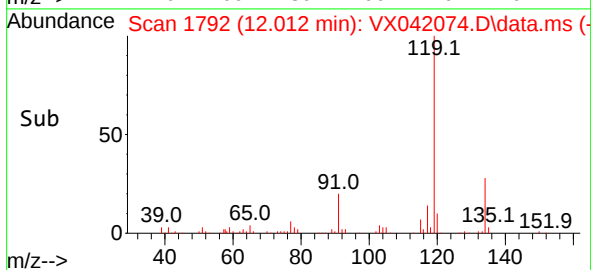
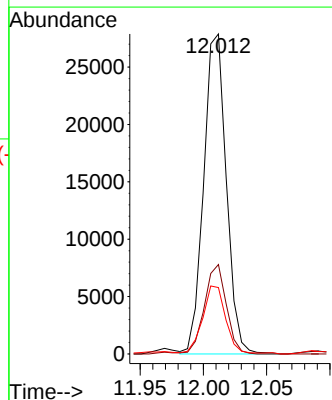
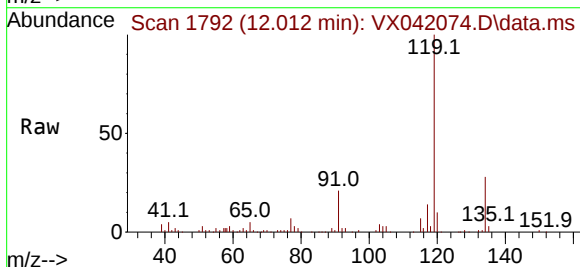
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

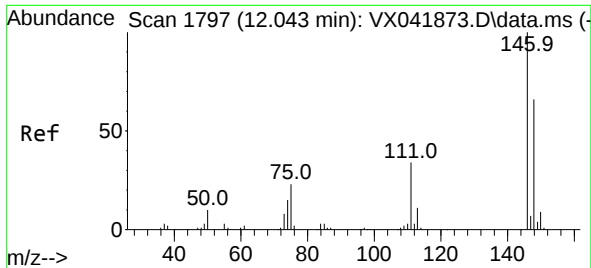
Tgt Ion:105 Resp: 12377
Ion Ratio Lower Upper
105 100
120 22.9 0.0 96.2



#82
p-Isopropyltoluene
Concen: 4.472 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX042074.D
Acq: 27 Jun 2024 15:01

Tgt Ion:119 Resp: 34782
Ion Ratio Lower Upper
119 100
134 27.0 0.0 54.0
91 21.2 0.0 42.2

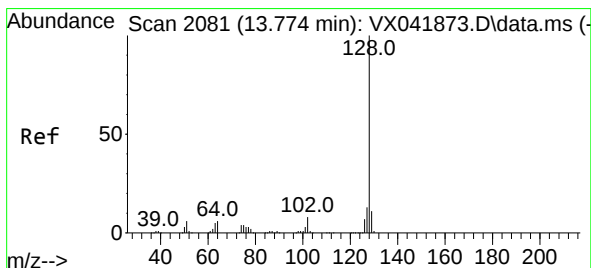
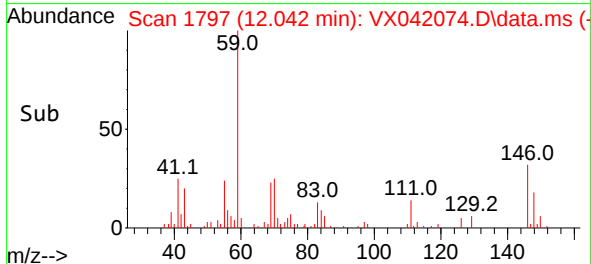
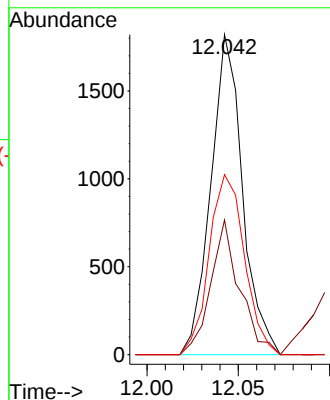
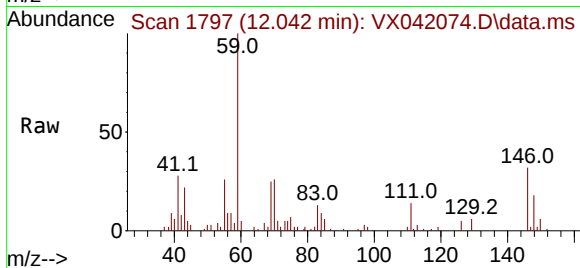




#84
1,4-Dichlorobenzene
Concen: 0.496 ug/l
RT: 12.042 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042074.D
Acq: 27 Jun 2024 15:01

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion:146 Resp: 2195
Ion Ratio Lower Upper
146 100
111 38.8 17.4 52.3
148 62.8 32.3 96.9



#91
Naphthalene
Concen: 0.990 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX042074.D
Acq: 27 Jun 2024 15:01

Tgt Ion:128 Resp: 9110
Ion Ratio Lower Upper
128 100
127 15.0 10.4 15.6
129 12.1 8.7 13.1

